

# TLS-350

## Automatic Tank Gauging & Electronic Line Leak Detection System

### VEEDER-ROOT

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**Evaluator:** MRI - 03/14/95 & 06/10/96 (CSLD)

**System Description:** The *TLS-350* and the *TLS-350R* (business inventory reconciliation) are monitoring systems that can be upgraded to provide continuous statistical leak detection (**CSLD**) and line leak detection if the appropriate **options** are added to the console. The **CSLD** option provides continuous tank leak detection without operational shut down. The system can also operate on various software, depending on the UST system. The *TLS-350R* is able to automatically gather inventory information and reconcile totals at the end of each shift, day and period. Without the **CSLD option**, the *TLS-350* can detect a leak of 0.1 gph; however, the UST system must be idle during the test. With the **CSLD option**, it is certified at 0.2 gph and can be used to test manifolded systems. Three line leak detection **options** are available:

Volumetric Line Leak Detection (VLLD)

Pressurized Line Leak Detection (PLLD) &

Wireless Pressurized Line Leak Detection (WPLLD);

all can detect 3, 0.2 and 0.1 gph. The *TLS-350* is also capable of monitoring groundwater and vapor sensors. The console features a built-in beeper and warning lights for alarm conditions and can be programmed to shut down pumps. You can verify which options are included in the system by scrolling thru the functions listed on the console display.

# TLS-350

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**Certification:** ***TANK GAUGING***

0.1 gph with PD = 99% and PFA = 1%

***With CSLD***

0.2 gph with PD = 100% and PFA = 0%

***LINE TEST***

3, 0.2 & 0.1 gph with PD = 100% and PFA = 0%

**Tank Capacity:** Max. 15,000 gal  
Max. 38,170 gal for all manifolded tanks with CSLD

**Test Period:** ***TANK GAUGING***

Min. 3 hrs with tank 95% full for 0.1 gph test

Min. 2 hrs with tank 50 - 95% full for 0.2 gph test

***With CSLD***

No down time

***LINE TEST*** (Depends on probe series)

3.0 gph - 14 sec to 1 min

0.2 gph - 6 to 45 min

0.1 gph - 14 to 45 min

**Limitations:** ***W/O CSLD option***

- No dispensing or delivery during test
- Not evaluated using manifolded tanks

***W/O LLD option***

- Not equipped to monitor product lines